ELSEVIER

Forensic Science International
Vol. 215, Nos. 1–3, 10th February 2012

Forensic Science International

www.elsevier.com/locate/forsciint

Contents

Abstracted in: *Biological Abstracts: Bulletin Signaletique: CABS (Current Awareness in Biological Sciences); Cambridge Scientific Abstracts; Chemical Abstracts: Criminology, Penology and Police Science Abstracts; Current Contents; EMBASE/Excerpta Medica; Medline/Index Medicus; National Criminal Justice Reference Service; Police Science Abstract; Science Citation Index; PubMed; Scopus.*

Special Issue: The 48th Annual Meeting of the International Association of Forensic Toxicologists (TIAFT). Joint Meeting with the Society of Toxicological and Forensic Chemistry (GTFCh).

Editorial 1-2
Detection of the synthetic drug 4-fluoroamphetamine (4-FA) in serum and urine
J. Röhrich, J. Becker, T. Kaufmann, S. Zörntlein and R. Urban 3–7
Identification of 1-butyl-3-(1-(4-methyl)naphthoyl)indole in a herbal mixture
F. Westphal, F.D. Sönnichsen and S. Thiemt 8–13
The prevalence of drugs in injured drivers
O.H. Drummer, I. Kourtis, J. Beyer, P. Tayler, M. Boorman and D. Gerostamoulos 14–17
Concentrations of free-morphine in peripheral blood after recent use of heroin in overdose deaths and in apprehended drivers
A.W. Jones, A. Holmgren and J. Ahlner 18–24
Amphetamine, cocaine and cannabinoids use among truck drivers on the roads in the State of Sao Paulo, Brazil
V. Leyton, D.M. Sinagawa, K.C.B.G. Oliveira, W. Schmitz, G. Andreuccetti, B.S. De Martinis, M. Yonamine and D.R. Munoz 25–27
The incidence of drugs of impairment in oral fluid from random roadside testing
M. Chu, D. Gerostamoulos, J. Beyer, L. Rodda, M. Boorman and O.H. Drummer 28–31
Significantly increased detection rate of drugs of abuse in urine following the introduction of new German driving licence re-granting guidelines
R. Agius, T. Nadulski, H.-G. Kahl and B. Dufaux 32–37
Validation of LUCIO®-Direct-ELISA kits for the detection of drugs of abuse in urine: Application to the new German driving licence re-granting guidelines
R. Agius, T. Nadulski and C. Moore 38–45
Prevalence of drug abuse among workers: Strengths and pitfalls of the recent Italian Workplace Drug Testing (WDT) legislation
I. Kazanga, S. Tameni, A. Piccinotti, I. Floris, G. Zanchetti and A. Polettini 46–50
Ethyl glucuronide in human hair after daily consumption of 16 or 32 g of ethanol for 3 months
R. Kronstrand, L. Brinkhagen and F.H. Nyström 51–55
Analysis of drugs of abuse in hair: Evaluation of the immunochemical method VMA-T vs. LC–MS/MS or GC–MS
M.R. Baumgartner, R. Guglielmello, M. Fanger and T. Kraemer 56–59
Evaluation of two immunoassay procedures for drug testing in hair samples
F. Musshoff, K.M. Kirschbaum, K. Graumann, C. Herzfeld, H. Sachs and B. Madea 60–63
Detection and validated quantification of 21 benzodiazepines and 3 "z-drugs" in human hair by LC–MS/MS
K.Y. Rust, M.R. Baumgartner, N. Meggiolaro and T. Kraemer 64–72
Segmental hair analysis can demonstrate external contamination in postmortem cases
P. Kintz 73–76
Hair testing and self-report of cocaine use
C. Vignali, C. Stramesi, M. Vecchio and A. Groppi 77–80
Simultaneous analysis of psychotropic phenylalkylamines in oral fluid by GC–MS with automated SPE and its application to legal cases
H. Choi, S. Baeck, M. Jang, S. Lee, H. Choi and H. Chung 81–87
Oral fluid results compared to self reports of recent cocaine and heroin use by methadone maintenance patients
E.J. Cone 88–91
A rapid and sensitive method for the identification of delta-9-tetrahydrocannabinol in oral fluid by liquid chromatography–tandem mass spectrometry
A. Molnar, J. Lewis, P. Doble, G. Hansen, T. Prolov and S. Fu 92–96

(Contents continued on page BM I)

0379-0738(20120210)215:1/3;1-I

08021

(Contents continued from outside back cover)

Sexual abuse and anti-wrinkle cream: Evidence from octocrylene
C. Jamey, A. Tracqui and B. Ludes 97–100
Fatal tolperisone poisoning: Autopsy and toxicology findings in three suicide cases
F. Sporkert, C. Brunel, M.P. Augsburger and P. Mangin 101–104
Determination of venlafaxine in post-mortem whole blood by HS-SPME and GC-NPD
O. Mastrogianni, G. Theodoridis, K. Spagou, D. Violante, T. Henriques, A. Pouliopoulos, K. Psaroulis, H. Tsoukali and N. Raikos 105–109
A fatal intoxication by chloroprene
A. Rickert, B. Hartung, B. Kardel, J. Teloh and T. Daldrup 110–113
Reporting a sudden death due to accidental gasoline inhalation
M.A. Martínez, S. Ballesteros and R. Alcaraz 114–120
Evidence of Haldol (haloperidol) long-term intoxication
E. Gerace, A. Salomone, S. Pellegrino and M. Vincenti 121–123
Characterization of pentoxyverine metabolites in urine using GC/MS after intoxication with Silomat® cough drops
F. Westphal, T. Junge, L. Radünz, J. Stegk and G. Rochholz 124–135
Development and validation of a sensitive UPLC–MS/MS method for the analysis of narcotic analgesics in urine and whole blood in forensic context
R. Verplaetse and J. Tytgat 136–145
Method validation of a survey of thevetia cardiac glycosides in serum samples
S. Kohls, B. Scholz-Böttcher, J. Rullkötter and J. Teske 146–151
Assessment of the stability of 30 antipsychotic drugs in stored blood specimens
E. Saar, D. Gerostamoulos, O.H. Drummer and J. Beyer 152–158
Stability of diazepam in blood samples at different storage conditions and in the presence of alcohol
V.N. Atanasov, S. Stoykova, A. Runiov, T. Dimitrova, D. Aleksandrova, S. Tsakovski and M. Mitewa 159–163
Characteristics of cannabinoids composition of Cannabis plants grown in Northern Thailand and its forensic application
P. Tipparat, S. Natakankitkul, P. Chamnivikaipong and S. Chutiwat 164–170
THCVA-A – A new additional marker for illegal cannabis consumption
L. Radünz, F. Westphal, E. Maser and G. Rochholz 171–174
Cross-examination of liquid–liquid extraction (LLE) and solid-phase microextraction (SPME) methods for impurity profiling of methamphetamine
J. Lee, Y. Park, W. Yang, H. Chung, W. Choi, H. Inoue, K. Kuwayama and J. Park 175–178
Effects of synthetic cannabinoids on electroencephalogram power spectra in rats
N. Uchiyama, R. Kikura-Hanajiri, N. Matsumoto, Z.-L. Huang, Y. Goda and Y. Urade 179–183
Serotonin toxicity involving MDMA (ecstasy) and moclobemide
J.L. Pilgrim, D. Gerostamoulos, N. Woodford and O.H. Drummer 184–188
Microbial ethanol production: Experimental study and multivariate evaluation
V.A. Boumba, V. Economou, N. Kourkoumelis, P. Gousia, C. Papadopoulou and T. Vougiouklakis 189-198